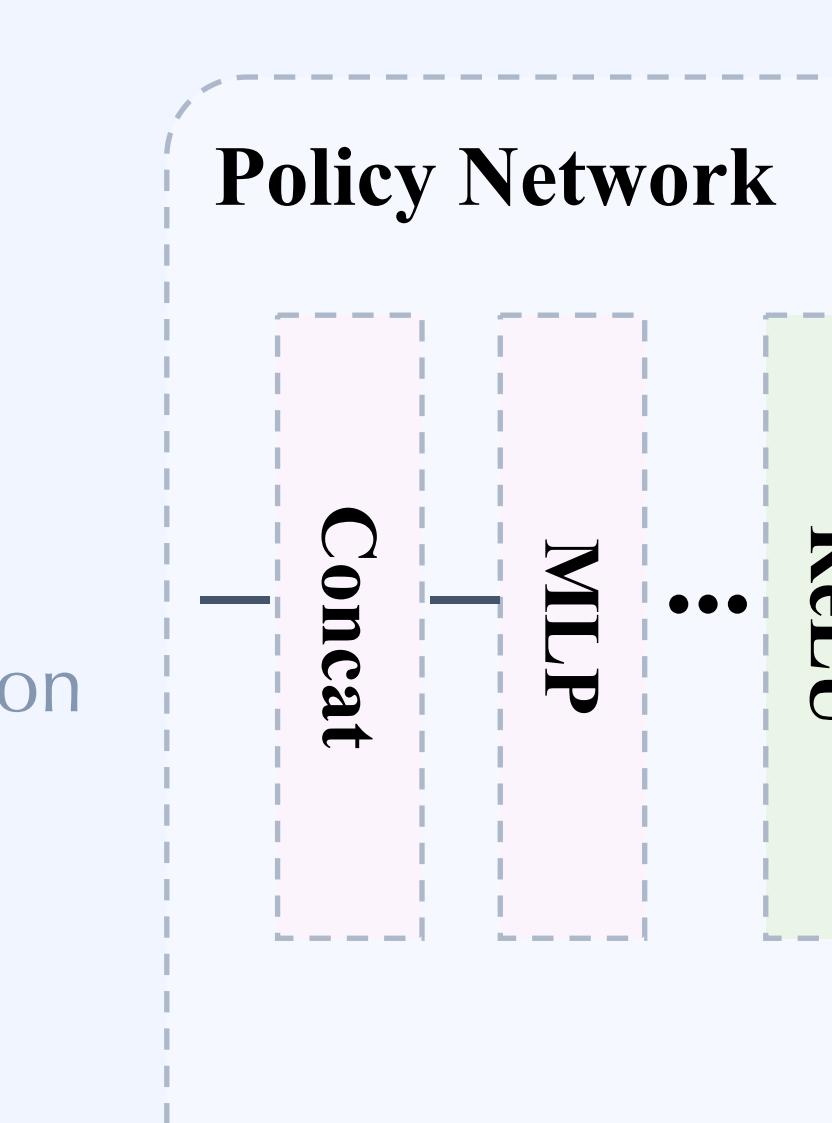
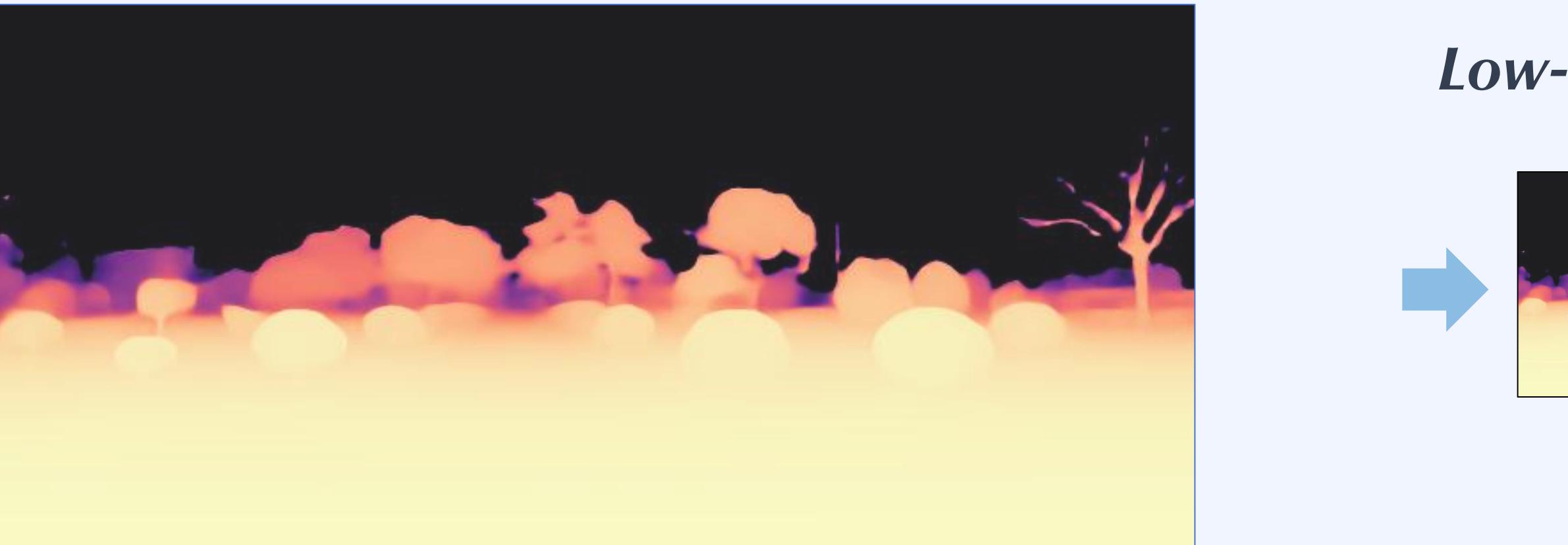


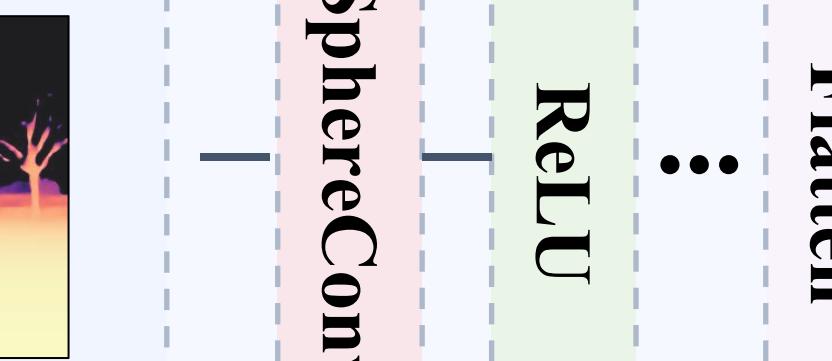
UAV States



Panoramic Depth Estimation Network ❄️

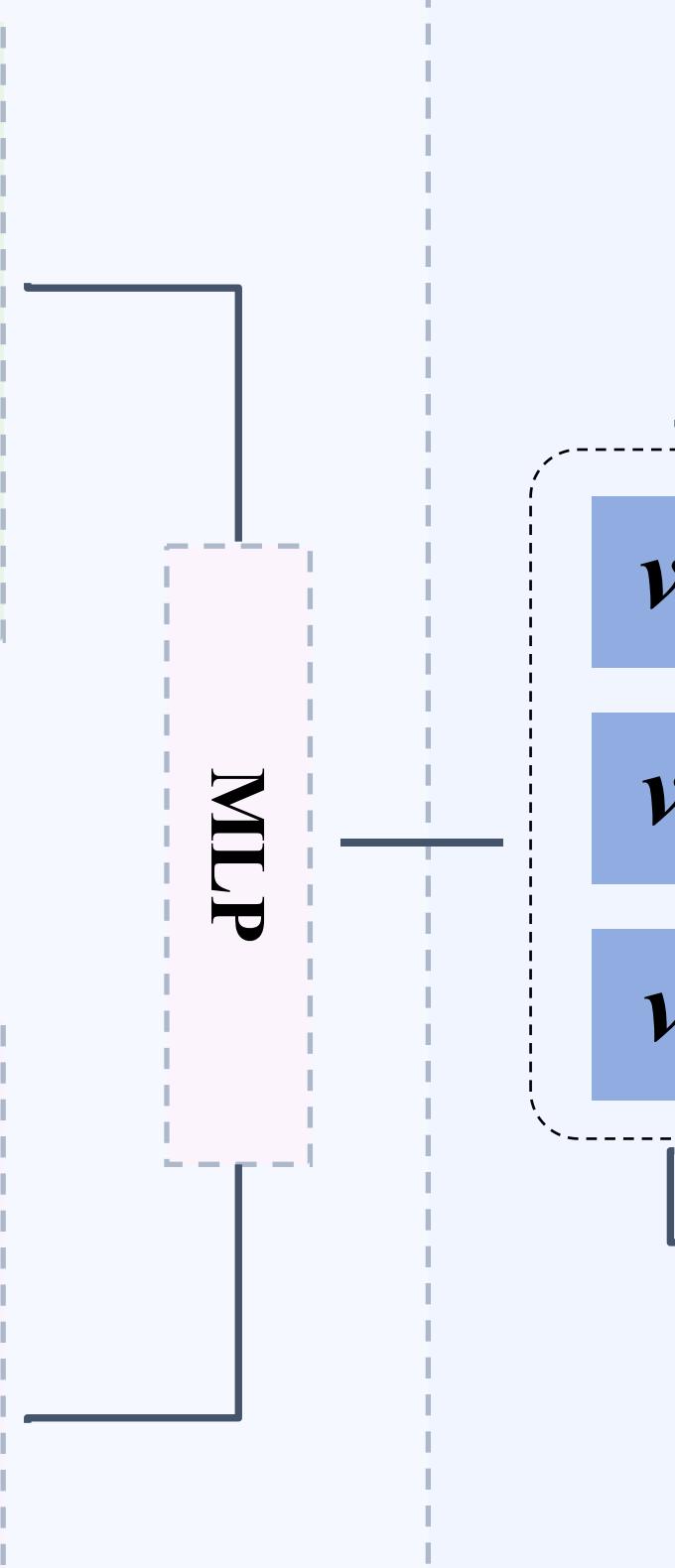


Low-resolution Depth



64×128

Policy Network 🔥



Training

Differentiable Simulator

Objective function

- Velocity tracking
- Collision penalty
- ...
- Velocity smoothness

Inference

Velocity Flight Controller

Rotor-level Control

